[1] A compound represented by the following general formula (I): [Formula 1]

[wherein R^1 and R^2 independently represent hydrogen atom, or a group represented by the following formula (A):

[Formula 2]

and X⁴ represent a protective group for amino group).

[3] A compound represented by the following general formula (IA):
[Formula 3]

[wherein R²¹ and R²² represent amino groups substituting at adjacent positions on the benzene ring, and one of the amino groups may have one alkyl group which may have a substituent; R²³ and R²⁴ independently represent hydrogen atom, a C₁₄ alkyl group which may have a substituent; R²⁵, R²⁶, R²⁸, R²⁸

[5] A reagent for measurement of nitrogen monoxide, which contains the compound represented by the general formula (IA) according to claim 3.

[6] A compound represented by the following general formula (IB):

[Formula 4]

wherein R41 and R42 combine together to represent a group represented by -N=N- NR^{58} - which forms a ring at the adjacent positions on the benzene ring (wherein R^{58} represents hydrogen atom, or a C1-6 alkyl group which may have a substituent), or R41 and R42 represent a combination of an amino group (which may have a C1-6 alkyl group which may have a substituent, or a protective group for amino group) and nitro group substituting at adjacent positions on the benzene ring; R43 and R44 independently represent hydrogen atom, a C1-6 alkyl group which may have a substituent, or a C1-6 alkoxy group which may have a substituent; R45, R46, R47, R48, R49, R50, R51, and R52 independently represent hydrogen atom, sulfo group, phospho group, a halogen atom, or a C1-6 alkyl group which may have a substituent; R53 and R54 independently represent a C1-18 alkyl group which may have a substituent; Z41 represents oxygen atom, sulfur atom, or -N(R55)- (wherein R55 represents hydrogen atom, or a C1-6 alkyl group which may have a substituent); Y41 and Y42 independently represent -C(=O)-, -C(=S)-, or -C(R56)(R57)- (wherein R56 and R57 independently represent a C1-6 alkyl group which may have a substituent); and M represents a counter ion in a number required for neutralizing the chargel.

[7] The compound according to claim 6, wherein R⁴⁸, R⁴⁴, R⁴⁶, R⁴⁶, R⁴⁷, R⁴⁸, R⁴⁸, R⁵⁰, R⁵¹, and R⁵² are hydrogen atoms, R⁵³ and R⁵⁴ are C₁⁴⁶ alkyl groups substituted with sulfo group, Z⁴¹ is oxygen atom, and Y⁴¹ and Y⁴² are 'C(CH₂)²⁷.

[8] A method for measuring nitrogen monoxide, which comprises (a) the step of reacting the compound represented by the general formula (IA) according to claim 3 with nitrogen monoxide; and (b) the step of detecting the compound of the general formula (IB) according to claim 6 [wherein R⁴¹ and R⁴² combine together to represent a group represented by 'N=N 'NR⁵⁸- which forms a ring at the adjacent positions on the benzene ring (wherein R⁵⁸ represents hydrogen atom, or a C₁₅ alkyl group which may have a substituent)] produced in the step (a).

[9] A compound represented by the following general formula (IC):[Formula 5]

[wherein R⁶¹ and R⁶² independently represent hydrogen atom, or a group represented by the following formula (B):

[Formula 6]

$$X^{62}$$
 $X^{61}-N-\left\{CH_2-CH_2-N\right\}_{p}-\left\{CH_2-CH_2-N\right\}_{q}$
 $X^{63}-N-\left\{CH_2-CH_2-N\right\}_{q}$
 X^{64}
(B)

(wherein X61, X62, X63, and X64 independently represent hydrogen atom, an alkyl group which may have a substituent, or a protective group for amino group, and p and q independently represent 0 or 1), provided that R61 and R62 do not simultaneously represent hydrogen atom, and when R61 and R62 simultaneously represent a group represented by the formula (B), in at least one of the groups represented by the formula (B), either p or q, or both represent 1; R63 and R64 independently represent hydrogen atom, a C1-6 alkyl group which may have a substituent, or a C1-6 alkoxy group which may have a substituent; R65, R66, R67, R68, R69, R70, R71, and R72 independently represent hydrogen atom, sulfo group, phospho group, a halogen atom, or a C1-6 alkyl group which may have a substituent; R73 and R74 independently represent a C1-18 alkyl group which may have a substituent; Z61 represents oxygen atom. sulfur atom, or -N(R75)- (wherein R75 represents hydrogen atom, or a C1-6 alkyl group which may have a substituent); Y61 and Y62 independently represent -C(=O)-. -C(=S)-, or -C(R76)(R77)- (wherein R76 and R77 independently represent a C1-6 alkyl group which may have a substituent); and M represents a counter ion in a number required for neutralizing the chargel.

[10] A fluorescent probe for zinc containing the compound represented by the general

formula (IC) according to claim 9 (except for a compound wherein any one or more of X^{61} , X^{62} , X^{63} , and X^{64} are protective group for amino group).

- [11] A zinc complex formed from the compound represented by the general formula (IC) according to claim 9 (except for a compound wherein any one or more of X^{e1} , X^{e2} ,
- X^{63} , and X^{64} are protective group for amino group), and a zinc ion.
- [12] A method for measuring zinc ions, which comprises (a) the step of reacting the compound represented by the aforementioned general formula (IC) according to claim 9 (except for a compound wherein any one or more of X⁶¹, X⁶², X⁶³, and X⁶⁴ are protective group for amino group) with a zinc ion, and (b) the step of measuring fluorescence intensity of a zinc complex produced in the step (a).